

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): A disposable insect control member, comprising:

 a substrate having a thickness and a flexural modulus, one of the thickness and the flexural modulus being defined by the other so as to satisfy a prescribed criterion and to optimally radiate [pressure] sound waves at a prescribed frequency that mimics the heartbeat of an animal which the insect can detect and perceive as a heartbeat; and

 an insect-interactive material supported on the substrate.

Claim 2 (original): The insect control member as in claim 1, wherein the prescribed criterion is a ratio between the thickness and the flexural modulus.

Claim 3 (original): The insect control member as in claim 1, wherein the prescribed criterion is a range of ratios between the thickness and the flexural modulus.

Claim 4 (original): The insect control member as in claim 3, wherein the substrate is polyethylene and the thickness is at least about 0.5 mils.

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Claim 5 (original): The insect control member as in claim 1, wherein a material for the substrate is selected from the group of: polyethylene, polypropylene, polyester, polycarbonate, polyvinyl chloride, and polystyrene.

Claim 6 (original): The insect control member as in claim 5, wherein a range of thicknesses that satisfy the prescribed criterion are defined by the material selected for the substrate.

Claim 7 (original): The insect control member as in claim 1, wherein the substrate is a predetermined polymer and wherein the predetermined polymer has a range of thicknesses that satisfy the prescribed criterion.

Claim 8 (original): The insect control member as in claim 7, wherein the polymer is an unfilled homopolymer.

Claim 9 (original): The insect control member as in claim 1, wherein the substrate includes a front surface which defines a central insect-interactive zone and a peripheral sealing zone that surrounds the insect-interactive zone, and wherein the insect-interactive material is within the insect-interactive zone.

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Claim 10 (original): The insect control member as in claim 9, wherein the substrate further includes a generally central folding axis, the substrate being foldable about the central folding axis to a stowed position wherein a first half of the front surface folds upon a second half of the front surface, and being unfoldable to a usable position wherein first and second halves of the front surface are exposed.

Claim 11 (original): The insect control member as in claim 10, further comprising a sealing material located within the sealing zone, the sealing material being adapted to selectively seal and protect the insect-interactive material when the substrate is in the stowed position.

Claim 12 (original): The insect control member as in claim 1, wherein the insect-interactive material is sticky and adapted to adhere a contacting insect to the substrate.

Claim 13 (original): The insect control member as in claim 1, wherein the insect-interactive material comprises an oil-based composition that is adapted to adhere to a contacting insect and be carried off by the insect for reaction with the insect at a remote location.

Claim 14 (original): The insect control member as in claim 1, wherein the insect-interactive material comprises mineral oil.

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Claim 15 (previously presented): The insect control member as in claim 10, further comprising a first fastener on one side of the folding axis adapted to engage with a second fastener on another side of the folding axis so that connection of the first and second fasteners maintains the disposable insect control member in the usable position and in an assembled configuration for seating on a vibration generator.

Claim 16 (canceled).

Claim 17 (previously presented): The insect control member as in claim 1, wherein the range of material thicknesses is bounded at the upper end to 10 mil.

Claim 18 (previously presented): The insect control member as in claim 2, wherein the range of material thicknesses is bounded at the upper end to 10 mil.

Claim 19 (previously presented): The insect control member as in claim 3, wherein the range of material thicknesses is bounded at the upper end to 10 mil.

Claim 20 (previously presented): The insect control member as in claim 5, wherein the range of material thicknesses is bounded at the upper end to 10 mil.

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Claim 21 (previously presented): The insect control member as in claim 9, wherein the range of material thicknesses is bounded at the upper end to 10 mil.

Claim 22 (newly presented): The insect control member as in claim 1, wherein the prescribed frequency is in a range of from about 150 cps to about 350 cps.

Claim 23 (newly presented): The insect control member as in claim 1, wherein the prescribed frequency is in a range of 150 cps to 250 cps together with one or more frequencies in a range of 300 cps to 500 cps.

Claim 24 (newly presented): The insect control member as in claim 23, wherein the prescribed frequency includes a primary peak in the 150 cps to 250 cps range and a secondary peak in the 300 cps to 500 cps range.

Claim 25 (newly presented): The insect control member as in claim 1, wherein the prescribed frequency is in a range of 160 cps to 180 cps.

Claim 26 (newly presented): The insect control member as in claim 1, wherein the prescribed frequency is in a range associated with a damaged heartbeat.

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Claim 27 (newly presented): The insect control member as in claim 26, wherein the range associated with the damaged heartbeat is in the range of from 60 cps to 100 cps.

Claim 28 (newly presented): The insect control member as in claim 26, wherein the range associated with the damaged heartbeat is from 100 cps to 250 cps.

Claim 29 (newly presented): The insect control member as in claim 26, wherein the range associated with the damaged heartbeat is more than 300 cps.

Claim 30 (newly presented): The insect control member as in claim 1, wherein the prescribed frequency is in a range of from 50 cps to 120 cps

Claim 31 (newly presented): The insect control member as in claim 1, wherein the prescribed frequency is in a range of 20 to 500 cps.

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